

Solar Review Checklist Commercial Photovoltaic System

Submittal Requirements:

A. One Building Permit Application.

B. Four copies of plans to include:

- Roof and site plan with location of PV installation.
 - Roof plan and site plan showing location of building in relation to street and property lines.
 - Plan indicating location of major equipment.
 - Array configuration shown on roof plan meeting the requirements of the 2015 International Fire Code .
- Structural plans prepared and sealed by a State of Arizona registered engineer for support and uplift of PV panels.
 - Mounting details for PV panel installation.
 - Weight of array.
 - Attachment method indicated.
- Electrical one-line and three-line diagram, prepared and sealed by a State of Arizona registered electrical engineer.
 - Array wiring size and type.
 - Equipment grounding.
 - Disconnect – DC and AC.
 - Conduit size and type.
 - Clearly indicate all areas where conduit is run on the interior and those areas that are exterior.
 - Inverter specified.
- Notes on one line diagram or roof plan showing location and verbiage of all signs required to be posted in compliance with the 2014 National Electrical Code.
- Manufacturer's cut sheets for all components
 - Cut sheets for solar panels listed and labeled in accordance with UL1703, tested per ASTM D 3161, and shall have the same fire classification of the roof assembly per IBC 1505.
 - Cut sheets for inverter.
 - Cut sheets for mounting system.
 - Cut sheets for DC combiner (if applicable).

SRP/APS approval is required prior to submitting for a building permit for all grid-tie systems.